

## **Additional Items - Standards Committee Agenda Items Section**

The following two items will be covered under Other Business during the August 26, 2004 meeting.

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## Standards Committee Submittal Sheet

Name of preparer: Karl Verhaeren

Title/Position of preparer: Region Four Construction Engineer

Specification/Drawing/Item Title: Materials Quality Requirements

Specification/Drawing Number: 01455M

Date Process Started: \_\_\_\_\_

Date Process Completed: \_\_\_\_\_

Status:    ☒ Approved    ☐ Disapproved    ☐ Sent Back For Review

**Enter appropriate priority level: 3**

(See last page for explanation) \_\_\_\_\_

Sheet not required on editorial or minor changes to standards. Check with Standards Section.

### NOTES:

1. All Submittal Sheets must be completed and sent to the Standards and Specifications Section by the Standards Committee suspense date as shown on their web page. (<http://www.udot.utah.gov/index.php/m=c/tid=303>)
2. The Preparer of the Submittal Sheet or the Standards Committee member (or authorized substitute) responsible for the submittal must be present at the Standards Committee meeting and capable of discussing and answering all questions related to the submittal. The item will be postponed to a later meeting if one of these people is not present.
3. Notify the Standards and Specifications Section immediately of any changes that impact the presentation to include absence of sponsor or delay in presentation.

Complete the following: (Use additional pages as needed.)

- A. Why? Detail the reason for changing the Standard (Specification or Drawing), what has initiated a new Standard, or what has caused a new or changed item of interest.

**The principal reason for the proposed modification is to insert language back in the specification that appears to have been inadvertently dropped between the 1979 and 1992 versions of the Department's Standard Specifications. The Department has maintained the requirement for a "Certificate of Receipt and Release By Property Owner" (Form C200) prior to final acceptance on projects where local optional material sources are used. While this requirement has been maintained, the contract language describing the requirement has somehow disappeared. (Refer to attachments from 1979 Standard Specifications. The requirement remains in the 1998 AASHTO Guide Specifications in much the same form as the verbiage in the proposed change.**

**Other proposed changes to the language in the specification are for clarification and in order for the information to flow in a more logical sequence. For example, in the current specification "Finishing Local Material Source Sites" is a separate article that describes work actually necessary to perform prior to removing materials. These statements have been moved to the preceding article in order to more**

**effectively highlight the work required prior to removing materials necessary for finishing or reclamation of the material source site, and in order for the language to follow a more logical sequence.**

- B. How is Measurement and Payment handled? Existing (from the measurement and payment document), modified, or new measurement and payment to be included with all Standard Specifications or Supplemental Specifications.

N/A

- C. Stakeholder Notification for AGC and ACEC:

By email provide the AGC and ACEC Standards Committee member a copy of all pertinent information relating to the specification or drawing. Detail all responses below. Indicate if no comments were received.

Refer to the Standards Committee Web site, Members page at <http://www.udot.utah.gov/index.php/m=c/tid=659> for the respective e-mail addresses.

**Proposed changes sent to the AGC and ACEC on July 15, 2004**

AGC Comments: (Use as much space as necessary.)

**No comments were received**

ACEC Comments: (Use as much space as necessary.)

**Editorial comments were received from Tyler Yorgason, some of which have been incorporated into the proposed specification. Rather than list the suggested editorial comments here, it is proposed to discuss them at the time of the Standards Committee meeting.**

- D. Stakeholders? From the list provided, document the stakeholders contacted, detailing: the company, name of contact, how contacted (by phone, email, hard copy, or in person), concerns, and comments of the change. Stakeholders:

In-house (for example, preconstruction, materials, construction, safety, design, maintenance) (Include all applicable in-house areas even if not listed above.)

Construction Engineers

**An outline of the proposed changes to the specification was discussed at the June 28 RCE meeting, at which time those present supported the changes.**

Contractors

N/A

Suppliers

Consultants (as required)

Others (as appropriate)

**The proposed modification was discussed with R4 Resident Engineers. The problem with the requirement for owner release being omitted from the specifications was discovered after a discussion with Jim McConnell, Resident Engineer in Cedar City.**

E. Costs? (Estimates are acceptable.)

1. Additional costs to average bid item price.

N/A

2. Operational (For example, maintenance, materials, equipment, labor, administrative, programming).

N/A

3. Life cycle cost.

N/A

F. Safety Impacts?

N/A

G. History? Address issues relating to the current usage of the item and past reviews, approvals, and/or disapprovals.

**Refer to attachments.**

### **Priority Explanation**

Enter the appropriate priority in the box on the first page of the document.

- |            |   |
|------------|---|
| Priority 1 | Upon posting, this impacts all projects in construction and design with a Change Order, Addenda, and immediate change to projects being advertised. |
| Priority 2 | Upon posting, this impacts projects being advertised.   |
| Priority 3 | Upon posting, the approved standard takes effect two weeks later for projects being advertised.   |

**Supplemental Specification  
2004 Standard Specification Book**

**SECTION 01455M**

**MATERIALS QUALITY REQUIREMENTS**

**Delete Articles 1.5 and 1.6 and replace with the following:**

**1.5 LOCAL OPTIONAL MATERIAL SOURCES - CONTRACTOR FURNISHED SOURCES**

- A. Obtain Environmental Clearances in accordance with Section 01355.
- B. Acquire the rights to take materials from sources other than those designated in the Contract.
- C. Locate, where practicable, borrow, gravel, and quarry materials sites where they are not visible from the highway.
- D. Pay all related costs including those for increased haul length and for exploring and developing sources.
- E. Use material from other than Department-furnished sources only after Department tests indicate that the material is of equal or better value than the Department furnished source, and after its conditional acceptance is received.
  - 1. Notify the Engineer in writing of the choice of aggregate source.
  - 2. The Department obtains and processes the additional samples to determine the suitability of the aggregate.
  - 3. Allow 30 calendar days for sampling and testing after the Engineer has been notified and the number of test sites has been determined.
  - 4. The Engineer may require additional samples for inspection and testing before authorizing use of the source.
  - 5. Engineer determines the location and necessary number of test sites, with three test sites and samples per aggregate source as a minimum.
- F. Pay 50 percent of the Department's sampling and testing cost if the material source is found to be unacceptable for use as a particular contract bid item.
- G. Department does not allow any extension of the original contract time to accommodate Department testing of non-designated sources.

- H. Prepare materials site plans that show in detail the line and grades to which materials are to be removed.
  - 1. Obtain Engineer's evaluation of the materials site plans as to their physical, environmental, and ecological effect before removing any materials.
- I. Strip and stockpile topsoil.

## **1.6 FINISHING LOCAL OPTIONAL MATERIAL SOURCE SITES**

- A. Finish all (public or private) material source sites to leave a pleasing appearance.
- B. Grade to drain without causing excessive erosion and without altering the natural drainage courses.
- C. Locate waste sites in areas that are least visible from public view. Spread waste material to obtain a natural appearance.
- D. Remove trash. Remove, bury or distribute excess materials over the disturbed areas when excavation has been completed.
- E. Perform required grading and reclamation, as required under the agreement with the property owner, when work to remove materials is completed and before spreading topsoil.
  - 1. Avoid vertical cuts and sharp corners.
  - 2. Grade side slopes to achieve a natural appearance.
  - 3. Abandon and obliterate haul roads.
- F. Spread topsoil over the excavated area and seed all areas disturbed by construction operations, including obliterated haul roads, with a grass or grasses adaptable to the area and approved by the Engineer and property owner. Perform seeding under the contract requirements for Seeding, including mulching.
- G. Finishing local material source sites, including seeding and mulching, is not measured or paid for separately and is considered incidental to other items of work.
- H. Prior to final project acceptance, provide the Engineer with a written release from the property owner indicating that all conditions of the agreement are satisfied.

END OF SECTION



## CERTIFICATE OF RECEIPT AND RELEASE BY PROPERTY OWNER

\_\_\_\_\_, Utah  
\_\_\_\_\_, 20\_\_

It is certified by the undersigned:

1. That receipt is acknowledged of the sum of \_\_\_\_\_  
(\$ \_\_\_\_\_) Dollars from \_\_\_\_\_ Utah Transportation  
Commission's Contractor, as payment in full for \_\_\_\_\_ cu. yd/tons of \_\_\_\_\_  
\_\_\_\_\_ taken from the property of the undersigned for use in the construction of Project  
No. \_\_\_\_\_, designated as \_\_\_\_\_ in  
\_\_\_\_\_ County.

2. That the premises of the undersigned from which the above material was taken and over which it  
was hauled have been left in a satisfactory condition and in accordance with option granted the Utah  
Transportation Commission, identified as Option No. \_\_\_\_\_ dated \_\_\_\_\_, 20 \_\_\_\_.

3. That this receipt releases the said Contractor and the Utah Transportation Commission from any  
further liability in connection with construction of the above described projects.

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Address

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Address

**NOTE TO CONTRACTOR:**

Submit original and two copies to the Resident/Project Engineer.

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When domestic steel has been indicated for use by the Contractor, the above requirement does not prevent a minimal use of foreign material, provided the cost of material used does not exceed one-tenth of one percent (0.1%) of the total contract amount or \$2,500.00, whichever is greater. This will eliminate the Contractor's need to certify as domestic the items which fall within the limits of one-tenth of one percent of the total contract amount or \$2,500.00, whichever is greater.

Transportation of steel shall be in compliance with the following three regulations.

1. Use of United States-Flag Vessels: Pursuant to Public Law 664 (46) U.S.C. 1241(b) the Contractor agrees to utilize privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (Computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels.

2. To furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rates, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in Paragraph (1) above to both the Contracting Officer (through the prime Contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, D. C. 20230.

3. To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

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107.08 Railway - Highway Provisions: Insert the word "not" between the words "'to" and "unnecessarily" of the first sentence of the fifth paragraph.

107.15 Opening Sections of the Project to Traffic: Delete the word "lease" and substitute the word "least" in the last sentence of the third paragraph.

107.23 Control, Finishing, and Seeding Material Pits: Insert the word "other" between the words "in" and "bid" in the first sentence of the last paragraph.

Also add the following paragraph:

If the Contractor elects to use State optioned material sites, he shall be required upon completion of the project to pay all required royalties and furnish the Engineer signed "Certificates of Receipt and Release" from each property owner where options were exercised, before final payment will be made.

107.24 Preservation of Historical, Archaeological or Paleontological Objects: Add this subsection immediately following Subsection 107.23.

The Contractor shall furnish the Engineer a statement of "No Known Effect," or "No Known Sites" for historical, archaeological and paleontological

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In the areas where the Engineer anticipates that erosion may be extensive and cause water pollution, the Contractor shall perform such temporary or permanent erosion control work between successive construction stages as the Engineer may direct. The Engineer shall limit the Contractor's operations in such erodible areas at any time to an area generally not exceeding 750,000 square feet for clearing and grubbing or not exceeding 750,000 square feet for grading until such time as appropriate erosion control measures have been completed.

In the event of conflict between these requirements and pollution control laws, rules, or regulations of other Federal or State or local agencies, the more restrictive laws, rules or regulations shall apply.

(e) Method of Measurement and Payment: Temporary erosion control work will be measured and paid for as provided in the special provisions entitled "Contingent Sum Pay Item," unless such work is considered by the Engineer to be due to the Contractor's negligence, carelessness or failure to install permanent controls as part of the work ordered by the Engineer, in which event such work shall be performed by the Contractor at his expense.

**107.23 Control, Finishing and Seeding of Material Pits:** This specification is to apply to material sources other than commercial pits and provides guide lines and controls in the construction and finishing of borrow pits, quarries, or other excavations and waste deposits which are located outside the highway right-of-way and which are used primarily for highway purposes.

When it is necessary to construct materials pits that are open to public view, extreme care shall be used to preserve plant material or other features that will screen or partially screen the pit.

All material pits shall be finished so as to leave a pleasing appearance. The Contractor shall be required to prepare pit site plans which will show in detail the line and grades to which the materials are to be removed. The pit site plans shall be evaluated as to their environmental and ecological effect by the Engineer before materials shall be removed from the source. If the property owner requests that the pit be finished other than as stipulated in the option, the change will be

permitted only upon written approval from the Engineer. By written order of the Engineer, that portion of the pit where excavation will take place need not be finished to the lines and grades designated on the pit site plans, but must be left with safe slopes and adequate drainage.

Waste deposits shall be placed in areas the least visible from public view. The material shall be spread so as to obtain a natural appearance.

Topsoil if present, shall be stripped and stockpiled, and except for that portion used for topsoiling the highway, shall be spread over the excavated area as a part of pit finishing.

When excavation has been completed from the pit, all trash shall be removed and excess materials shall be removed, buried, or distributed over the pit areas. The pit shall be graded to approved lines and grades, the topsoil shall be then spread over the area. In general, vertical cuts and sharp corners shall be avoided. Side slopes shall be reasonably flat. Haul roads constructed by the Contractor and which are to be abandoned, shall be obliterated.

Where climatic and soil conditions are favorable for plant growth as determined by the Engineer, the Contractor, at his own expense, shall seed the pit, denuded areas around the pit resulting from his operation and obliterated haul roads, with a grass or grasses adaptable to the area and approved by the property owner. The seeding shall be done in accordance with the specifications for grass seeding, including mulching if required.

Pit finishing will not be paid for separately, but shall be included in bid items of work.

*other 107.24 See Addendum #2, p. 6 107.25 Add. #2, p. 7*

## SECTION 108—PROSECUTION AND PROGRESS

**108.01 Notice to Proceed:** Following the execution of the contract, notice will given the Contractor in writing to proceed with the work. Charging of contract time shall begin on or before the 10th day following the date of the mailing by regular mail of a Notice to Proceed. The Contractor shall notify the Engineer at least 5 days before beginning work.

*See Addendum #2, p. 8*

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## Standards Committee Submittal Sheet

Name of preparer: Karl Verhaeren

Title/Position of preparer: Region Four Construction Engineer

Specification/Drawing/Item Title: Survey

Specification/Drawing Number: 01721M

Date Process Started: \_\_\_\_\_

Date Process Completed: \_\_\_\_\_

Status:    ☒ Approved    ☐ Disapproved    ☐ Sent Back For Review

**Enter appropriate priority level: 3**

(See last page for explanation) \_\_\_\_\_

Sheet not required on editorial or minor changes to standards. Check with Standards Section.

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Complete the following: (Use additional pages as needed.)

- A. Why? Detail the reason for changing the Standard (Specification or Drawing), what has initiated a new Standard, or what has caused a new or changed item of interest.

**In order to reduce overall CE costs, it's advantageous to the Department to measure and pay for certain contract items on a "plan quantity" basis.**

**Modification to the Survey specification is desirable to provide a process during project construction for acquiring information in order to resolve any necessary adjustments to quantities for items measured and paid for on a "plan quantity" basis. Providing a method for determining adjustment, other than when the Engineer revises plan dimensions, through the Survey specification eliminates the need for individual special provisions for each item in the contract selected to be measured and paid using plan quantity.**

- B. How is Measurement and Payment handled? Existing (from the measurement and payment document), modified, or new measurement and payment to be included with all Standard Specifications or Supplemental Specifications.

N/A

C. Stakeholder Notification for AGC and ACEC:

By email provide the AGC and ACEC Standards Committee member a copy of all pertinent information relating to the specification or drawing. Detail all responses below. Indicate if no comments were received.

Refer to the Standards Committee Web site, Members page at <http://www.udot.utah.gov/index.php/m=c/tid=659> for the respective e-mail addresses.

**Proposed changes sent to the AGC and ACEC on July 15, 2004**

AGC Comments: (Use as much space as necessary.)

**No comments were received**

ACEC Comments: (Use as much space as necessary.)

**A suggested revision was received from Tyler Yorgason. It was to exclude field staking under C. 1. b. After clarification was provided to Tyler through email that the intent was to include all extra work necessary to provide supporting information to the Engineer for changes, the suggested revision was dropped.**

D. Stakeholders? From the list provided, document the stakeholders contacted, detailing: the company, name of contact, how contacted (by phone, email, hard copy, or in person), concerns, and comments of the change. Stakeholders:

In-house (for example, preconstruction, materials, construction, safety, design, maintenance) (Include all applicable in-house areas even if not listed above.)

Construction Engineers

**The specification was discussed at the June 28 RCE meeting, at which time those present supported the specification.**

Contractors

**The concept of the proposed modification to the Survey specification was discussed at the June 16 AGC meeting, at which time input was sought on how to deal with the compensation for those costs associated with providing supporting data to the Engineer for adjustments to “plan” quantities. This was the reason for including subparagraph (b). Discussion included the clarification between items paid for as “plan quantity” vs. “lump sum”. The group indicated support for the proposed specification.**

Suppliers



Consultants (as required)

Others (as appropriate)

**The proposed modification was discussed with several R4 Design personnel. No objections were noted.**

E. Costs? (Estimates are acceptable.)

1. Additional costs to average bid item price.

N/A

2. Operational (For example, maintenance, materials, equipment, labor, administrative, programming).

N/A

3. Life cycle cost.

N/A

F. Safety Impacts?

N/A

G. History? Address issues relating to the current usage of the item and past reviews, approvals, and/or disapprovals.

**Proposed supplemental specification has been used in a number of projects as a special provision.**

### **Priority Explanation**

Enter the appropriate priority in the box on the first page of the document.

- |            |   |
|------------|---|
| Priority 1 | Upon posting, this impacts all projects in construction and design with a Change Order, Addenda, and immediate change to projects being advertised. |
| Priority 2 | Upon posting, this impacts projects being advertised.   |
| Priority 3 | Upon posting, the approved standard takes effect two weeks later for projects being advertised.   |

**Supplemental Specification  
2004 Standard Specification Book**

**SECTION 01721M**

**SURVEY**

**Add the following to Article 3.3:**

- C. When requesting additional compensation on the basis of adjustment to quantities in the bid proposal for items paid as “plan quantity,” provide all computations, plots, and supporting documentation necessary for the Engineer to evaluate and verify adjusted quantities.
  - 1. All work associated with providing computations, plots, and supporting documentation is at no cost to the Department, except:
    - a. When the Engineer revises plan dimensions. Refer to Section 01280.
    - b. When the adjusted quantity differs from the plan quantity by more than 10%, work required to provide computations, plots, and supporting documentation will be paid for as extra work.

END OF SECTION